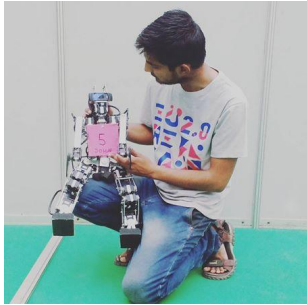# Anurag **Pandey**

contact

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web & git

linkedin.com/eagleanurag
github.com/eagleanurag

languages

Hindi (native),
English (proficient),
Sanskrit (intermediate)

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programming

♥ Python, C, C++, Bash/Zsh
Scripting, Matlab

robotics

Motion Control, Perception,
Localization, ♥ Planning,
ROS, Flight Controllers

embedded technologies

♥ STM32, VHDL, Raspberry,
WaRP7, FPGAs, CPLDs,
Arduino, Buildroot

others

Linux, Git, LateX,
SystemC/TLM, Artificial
Intelligence, Computer Vision

brief

Studying in the Embedded Real-Time Systems path of a Robotics Master's degree, I am highly interested in Robotics and Electronics and wish to grow a career in developing software for self-driving aerial or ground vehicles.

work experience

summer '19	**Ingeniarius**	Coimbra, Portugal

Mobile Robotics Intern
- Mechatronics conception, embedded and ROS software development of a Differential Robot.
- Development of a wall-following solution, as well as an A* pathfinder for mazes.
- Trained an AI model to recognize vegetation susceptible of propagating Wildfires.

feb '19-jun '19	**Hiventive**	Bordeaux, France

Embedded System Developer
- Development of a Framework using Parallel SystemC/TLM Simulation of Hardware Components.
- C++ development of simulation models in SystemC to create innovative Virtual Prototypes.
- Testing of the Virtual Prototypes with Embedded Firmwares I developed for physical boards.

summer '18	**LS2N**	Nantes, France

Mobile Robotics Intern
- Research and Development of solutions for Autonomous Patrols with Turtlebots differencial robots.

education

expected 2021	**MSc. in Control and Robotics**	Ecole Centrale de Nantes
	Specialized in Embedded Real-Time Systems.	
march 2020	**Nanodegree in Autonomous UAVs**	Udacity
	Flight Software Engineering for Aerial Vehicles.	
2018–2019	**MSc. in Embedded Systems**	Bordeaux Ynov Campus
	Specialized in Embedded Software Development.	
2015–2018	**BEng. in Electrical Engineering**	Université de Nantes
	Specialized in Computer Engineering.	
2014	**Science Highschool Degree**	Lycée Rosa Parks (LRSY)
	Engineering path, specialized in Computer Science.	

hobbies

2007–2019	**Basketball**	

Active participation to 3x3 FIBA Tournaments and part of the university's varsity team.

2016–2017	**Student Association**	

Active participation to Lab Sciren, an IT-driven association helping people realize technical projects like a FabLab.

2015–2017	**Tutoring**	

Tutoring on free time for freshmen and sophomores at University.